



Datasheet for ABIN361766
anti-KCNQ1 antibody (AA 2-101)



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5 Images

Overview

Quantity:	100 µg
Target:	KCNQ1
Binding Specificity:	AA 2-101
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This KCNQ1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunofluorescence (IF), Immunocytochemistry (ICC), Antibody Array (AA)

Product Details

Immunogen:	Fusion protein amino acids 2-101 of human KCNQ1
Clone:	N37A-10 (Formerly S37A-10)
Isotype:	IgG1
Specificity:	Detects ~75 kDa.
Cross-Reactivity:	Hamster, Human, Mouse, Rat
Purification:	Protein G Purified

Target Details

Target:	KCNQ1
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Target Details

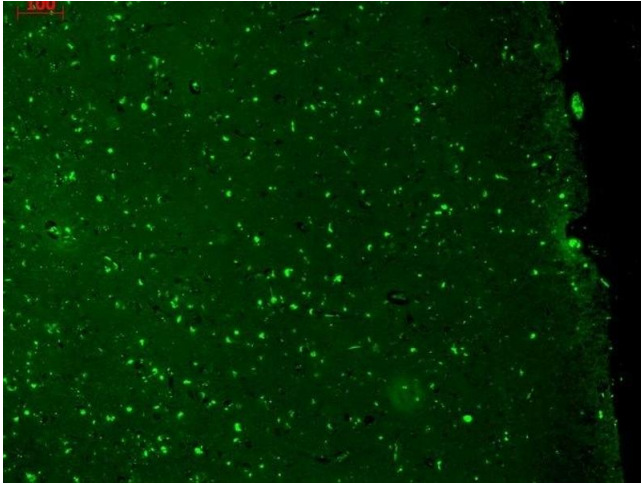
Alternative Name:	KCNQ1 (KCNQ1 Products)
Background:	Kv7.1 (KvLQT1) is a potassium channel protein coded for by the gene KCNQ1. Kv7.1 is present in the cell membranes of cardiac muscle tissue and in inner ear neurons (1) among other tissues. In the cardiac cells, Kv7.1 mediates the IKs (or slow delayed rectifying K+) current that contributes to the repolarization of the cell, terminating the cardiac action potential and thereby the heart's contraction (2, 3).
Gene ID:	3784
NCBI Accession:	NP_000209
UniProt:	P51787
Pathways:	Negative Regulation of Hormone Secretion, Sensory Perception of Sound

Application Details

Application Notes:	<ul style="list-style-type: none">• WB (1:1000)• IHC (1:1000)• ICC/IF (1:100)• optimal dilutions for assays should be determined by the user.
Comment:	1 µg/ml of ABIN361766 was sufficient for detection of KCNQ1 in 10 µg of COS-1 cell lysate transiently expressing KCNQ1 by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Restrictions:	For Research Use only

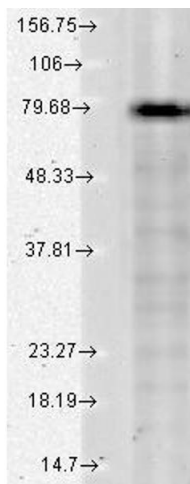
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS pH 7.4, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	-20°C



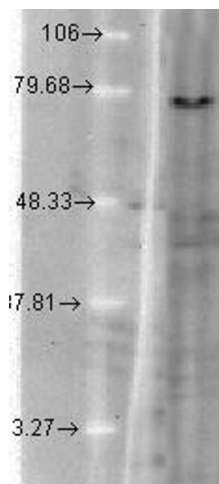
Immunohistochemistry

Image 1. Immunohistochemistry analysis using Mouse Anti-KCNQ1 Monoclonal Antibody, Clone N37A/10 (ABIN361766). Tissue: hippocampus. Species: Human. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-KCNQ1 Monoclonal Antibody (ABIN361766) at 1:1000 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT.



Western Blotting

Image 2. KCNQ1 human cellline mix.



Western Blotting

Image 3. KCNQ1 (S37A 10) mink KvLQT1 in T CHO.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN361766.